

**POTASSIUM YTTERBIUM DOUBLE WOLFRAMATE SINGLE CRYSTAL,
OPTIONALLY DOPED, PROCEDURE FOR ITS PRODUCTION AND
APPLICATIONS**

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ABSTRACT

The potassium ytterbium double wolframate single crystal, of formula
[KYb(WO₄)₂], optionally doped with one or more ions of the rare earth
10 elements, shows a crystallographic structure belonging to the monoclinic
system, spatial group C2/c and is useful as material for visible spectrum
emitting solid state lasers, in particular, for green and blue emission, pumped
by infrared radiation diodes.

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